

DARRYL E. FISHER, CHAIRMAN
ELECTION DISTRICT NO. 1
OLDHAM'S, VIRGINIA 22529

W. W. HYNSON, VICE CHAIRMAN
ELECTION DISTRICT NO. 4
COLONIAL BEACH, VIRGINIA 22443

RUSS CULVER
ELECTION DISTRICT NO. 2
MONTROSS, VIRGINIA 22520

LYNN C. BROWNLEY
ELECTION DISTRICT NO. 3
MONTROSS, VIRGINIA 22520

LARRY ROBERSON
ELECTION DISTRICT NO. 5
COLONIAL BEACH, VIRGINIA 22443



NORM RISAVI
County Administrator
P. O. BOX 1000
MONTROSS, VIRGINIA 22520-1000
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Web Page: www.westmoreland-county.org

WESTMORELAND COUNTY, VIRGINIA

Board of Supervisors

MONTROSS, VIRGINIA 22520-1000

26 May 2009

RECEIVED

MAY 27 2009

PRO

Denise Mosca
Environmental Specialist II
DEQ – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

RE: Montross-Westmoreland VPDES Submittal

Dear Ms. Mosca:

Pursuant to your electronic mail correspondence of May 18, 2009, I have enclosed the additional documents required to complete the VPDES submittal for the Montross-Westmoreland wastewater treatment facility.

If you should have any questions, please feel free to contact me at (804) 493-0130.

Sincerely,

A handwritten signature in cursive script, appearing to read "Norm Risavi".

Norm Risavi
County Administrator

NR:lbt

Enclosures
cc: Kevin Spruth, Plant Operator

Facility Name: Montross – Westmoreland WWTP

VPDES Permit Number: VA0072729

9. **Certification.** Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of the application you have completed and are submitting:

☒ Section A (General Information)

☒ Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)

☐ Section C (Land Application of Bulk Sewage Sludge)

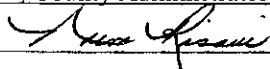
☐ Section D (Surface Disposal)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name and official title

Norm Risavi, County Administrator

Signature



Date Signed

May 26, 2009

Telephone number (804) 493-0130

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

RECEIVED

MAY 27 2009

PRO

ATTACHMENT A
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY CRITERIA MONITORING

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
METALS ug/l						
7440-36-0	Antimony, dissolved	200.8	0.2	0.5	G or C	1/5 YR
7440-38-2	Arsenic, dissolved	200.8	60	<60	G or C	1/5 YR
7440-43-9	Cadmium, dissolved	200.8	0.1	<0.1	G or C	1/5 YR
16065-83-1	Chromium III, dissolved ⁽⁸⁾	*	0.5	0.5	G or C	1/5 YR
18540-29-9	Chromium VI, dissolved ⁽⁸⁾	*	0.5	0.5	G or C	1/5 YR
7440-50-8	Copper, dissolved	200.8	0.5	5.5	G or C	1/5 YR
7439-92-1	Lead, dissolved	200.8	0.5	<0.5	G or C	1/5 YR
7439-97-6	Mercury, dissolved	200.8	0.1	<0.1	G or C	1/5 YR
7440-02-0	Nickel, dissolved	200.8	0.5	1.2	G or C	1/5 YR
7782-49-2	Selenium, dissolved	200.8	1.0	<1.0	G or C	1/5 YR
7440-22-4	Silver, dissolved	200.8	0.2	<0.2	G or C	1/5 YR
7440-28-0	Thallium, dissolved	200.8	5	<5	G or C	1/5 YR
7440-66-6	Zinc, dissolved	200.8	2	74.2	G or C	1/5 YR
PESTICIDES/PCB'S ug/l						
309-00-2	Aldrin	608	0.05	<0.05	G or SC	1/5 YR
57-74-9	Chlordane	608	0.2	ND	G or SC	1/5 YR
2921-88-2	Chlorpyrifos (synonym = Dursban)	622	0.10	<0.10	G or SC	1/5 YR
72-54-8	DDD	608	0.05	<0.05	G or SC	1/5 YR
72-55-9	DDE	608	0.05	<0.05	G or SC	1/5 YR
50-29-3	DDT	608	0.05	<0.05	G or SC	1/5 YR
8065-48-3	Demeton	622	0.10	<0.10	G or SC	1/5 YR
60-57-1	Dieldrin	608	0.05	<0.05	G or SC	1/5 YR
959-98-8	Alpha-Endosulfan	608	0.05	<0.05	G or SC	1/5 YR
33213-65-9	Beta-Endosulfan	608	0.05	<0.05	G or SC	1/5 YR
1031-07-8	Endosulfan Sulfate	608	0.05	<0.05	G or SC	1/5 YR
72-20-8	Endrin	608	0.05	<0.05	G or SC	1/5 YR

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
7421-93-4	Endrin Aldehyde	608	0.05	<0.05	G or SC	1/5 YR
86-50-0	Guthion	622	0.10	<0.10	G or SC	1/5 YR
76-44-8	Heptachlor	608	0.05	<0.05	G or SC	1/5 YR
1024-57-3	Heptachlor Epoxide	608	0.05	<0.05	G or SC	1/5 YR
319-84-6	Hexachlorocyclohexane Alpha-BHC	608	0.05	<0.05	G or SC	1/5 YR
319-85-7	Hexachlorocyclohexane Beta-BHC	608	0.05	<0.05	G or SC	1/5 YR
58-89-9	Hexachlorocyclohexane Gamma-BHC or Lindane	608	0.05	<0.05	G or SC	1/5 YR
143-50-0	Kepone	608	0.80	<0.80	G or SC	1/5 YR
121-75-5	Malathion	622	0.10	<0.10	G or SC	1/5 YR
72-43-5	Methoxychlor	608	0.05	<0.05	G or SC	1/5 YR
2385-85-5	Mirex	608	0.05	<0.05	G or SC	1/5 YR
56-38-2	Parathion	622	0.10	<0.10	G or SC	1/5 YR
11096-82-5	PCB 1260	608	1.0	ND	G or SC	1/5 YR
11097-69-1	PCB 1254	608	1.0	ND	G or SC	1/5 YR
12672-29-6	PCB 1248	608	1.0	ND	G or SC	1/5 YR
53469-21-9	PCB 1242	608	1.0	ND	G or SC	1/5 YR
11141-16-5	PCB 1232	608	1.0	ND	G or SC	1/5 YR
11104-28-2	PCB 1221	608	1.0	ND	G or SC	1/5 YR
12674-11-2	PCB 1016	608	1.0	ND	G or SC	1/5 YR
1336-36-3	PCB Total	608	7.0	ND	G or SC	1/5 YR
8001-35-2	Toxaphene	608	5.0	ND	G or SC	1/5 YR
BASE NEUTRAL EXTRACTABLES ug/l						
83-32-9	Acenaphthene	625	10.0	<10.0	G or SC	1/5 YR
120-12-7	Anthracene	625	10.0	<10.0	G or SC	1/5 YR
92-87-5	Benzidine	625	10.0	<10.0	G or SC	1/5 YR
56-55-3	Benzo (a) anthracene	625	10.0	<10.0	G or SC	1/5 YR
205-99-2	Benzo (b) fluoranthene	625	10.0	<10.0	G or SC	1/5 YR
207-08-9	Benzo (k) fluoranthene	625	10.0	<10.0	G or SC	1/5 YR
50-32-8	Benzo (a) pyrene	625	10.0	<10.0	G or SC	1/5 YR

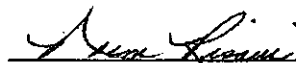
CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
111-44-4	Bis 2-Chloroethyl Ether	625	10.0	<10.0	G or SC	1/5 YR
39638-32-9	Bis 2-Chloroisopropyl Ether	625	10.0	<10.0	G or SC	1/5 YR
85-68-7	Butyl benzyl phthalate	625	10.0	<10.0	G or SC	1/5 YR
91-58-7	2-Chloronaphthalene	625	10.0	<10.0	G or SC	1/5 YR
218-01-9	Chrysene	625	10.0	<10.0	G or SC	1/5 YR
53-70-3	Dibenz(a,h)anthracene	625	10.0	<10.0	G or SC	1/5 YR
84-74-2	Dibutyl phthalate (synonym = Di-n-Butyl Phthalate)	625	10.0	<10.0	G or SC	1/5 YR
95-50-1	1,2-Dichlorobenzene	624	10.0	<10.0	G or SC	1/5 YR
541-73-1	1,3-Dichlorobenzene	624	10.0	<10.0	G or SC	1/5 YR
106-46-7	1,4-Dichlorobenzene	624	10.0	<10.0	G or SC	1/5 YR
91-94-1	3,3-Dichlorobenzidine	625	10.0	<10.0	G or SC	1/5 YR
84-66-2	Diethyl phthalate	625	10.0	<10.0	G or SC	1/5 YR
117-81-7	Di-2-Ethylhexyl Phthalate	625	10.0	<10.0	G or SC	1/5 YR
131-11-3	Dimethyl phthalate	625	10.0	<10.0	G or SC	1/5 YR
121-14-2	2,4-Dinitrotoluene	625	10.0	<10.0	G or SC	1/5 YR
122-66-7	1,2-Diphenylhydrazine	625	10.0	<10.0	G or SC	1/5 YR
206-44-0	Fluoranthene	625	10.0	<10.0	G or SC	1/5 YR
86-73-7	Fluorene	625	10.0	<10.0	G or SC	1/5 YR
118-74-1	Hexachlorobenzene	625	10.0	<10.0	G or SC	1/5 YR
87-68-3	Hexachlorobutadiene	625	10.0	<10.0	G or SC	1/5 YR
77-47-4	Hexachlorocyclopentadiene	625	10.0	<10.0	G or SC	1/5 YR
67-72-1	Hexachloroethane	625	10.0	<10.0	G or SC	1/5 YR
193-39-5	Indeno(1,2,3-cd)pyrene	625	10.0	<10.0	G or SC	1/5 YR
78-59-1	Isophorone	625	10.0	<10.0	G or SC	1/5 YR
98-95-3	Nitrobenzene	625	10.0	<10.0	G or SC	1/5 YR
62-75-9	N-Nitrosodimethylamine	625	10.0	<10.0	G or SC	1/5 YR
621-64-7	N-Nitrosodi-n-propylamine	624	10.0	<10.0	G or SC	1/5 YR
86-30-6	N-Nitrosodiphenylamine	625	10.0	<10.0	G or SC	1/5 YR
129-00-0	Pyrene	625	10.0	<10.0	G or SC	1/5 YR
120-82-1	1,2,4-Trichlorobenzene	625	10.0	<10.0	G or SC	1/5 YR

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
VOLATILES ug/l						
107-02-8	Acrolein	624	10.0	<10.0	G	1/5 YR
107-13-1	Acrylonitrile	624	10.0	<10.0	G	1/5 YR
71-43-2	Benzene	624	10.0	<10.0	G	1/5 YR
75-25-2	Bromoform	624	10.0	<10.0	G	1/5 YR
56-23-5	Carbon Tetrachloride	624	10.0	<10.0	G	1/5 YR
108-90-7	Chlorobenzene (synonym = monochlorobenzene)	624	10.0	<10.0	G	1/5 YR
124-48-1	Chlorodibromomethane	624	10.0	<10.0	G	1/5 YR
67-66-3	Chloroform	624	10.0	<10.0	G	1/5 YR
75-09-2	Dichloromethane (synonym = methylene chloride)	624	20.0	<10.0	G	1/5 YR
75-27-4	Dichlorobromomethane	624	10.0	<10.0	G	1/5 YR
107-06-2	1,2-Dichloroethane	624	10.0	<10.0	G	1/5 YR
75-35-4	1,1-Dichloroethylene	624	10.0	<10.0	G	1/5 YR
156-60-5	1,2-trans-dichloroethylene	624	10.0	<10.0	G	1/5 YR
78-87-5	1,2-Dichloropropane	624	10.0	<10.0	G	1/5 YR
542-75-6	1,3-Dichloropropene	624	20.0	<20.0	G	1/5 YR
100-41-4	Ethylbenzene	624	10.0	<10.0	G	1/5 YR
74-83-9	Methyl Bromide	624	10.0	<10.0	G	1/5 YR
79-34-5	1,1,2,2-Tetrachloroethane	624	10.0	<10.0	G	1/5 YR
127-18-4	Tetrachloroethylene	624	10.0	<10.0	G	1/5 YR
10-88-3	Toluene	624	10.0	<10.0	G	1/5 YR
79-00-5	1,1,2-Trichloroethane	624	10.0	<10.0	G	1/5 YR
79-01-6	Trichloroethylene	624	10.0	<10.0	G	1/5 YR
75-01-4	Vinyl Chloride	624	10.0	<10.0	G	1/5 YR
RADIONUCLIDES						
	Strontium 90 (pCi/L)	EPA 905.0	2.00	ND	G or C	1/5 YR
	Tritium (pCi/L)	EPA 906.0	700	ND	G or C	1/5 YR
	Beta Particle & Photon Activity (mrem/yr) (pCi/L)	EPA 900.0	4.00	8.62	G or C	1/5 YR
	Gross Alpha Particle Activity (pCi/L)	EPA 900.0	3.00	ND	G or C	1/5 YR

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
ACID EXTRACTABLES ⁽⁶⁾ ug/l						
95-57-8	2-Chlorophenol	625	10.0	<10.0	G or SC	1/5 YR
120-83-2	2,4 Dichlorophenol	625	10.0	<10.0	G or SC	1/5 YR
105-67-9	2,4 Dimethylphenol	625	10.0	<10.0	G or SC	1/5 YR
51-28-5	2,4-Dinitrophenol	625	10.0	<10.0	G or SC	1/5 YR
534-52-1	2-Methyl-4,6-Dinitrophenol	625	10.0	<10.0	G or SC	1/5 YR
87-86-5	Pentachlorophenol	625	10.0	<10.0	G or SC	1/5 YR
108-95-2	Phenol	625	10.0	<10.0	G or SC	1/5 YR
88-06-2	2,4,6-Trichlorophenol	625	10.0	<10.0	G or SC	1/5 YR
MISCELLANEOUS						
	Ammonia as NH3-N			0.42	C	1/5 YR
16887-00-6	Chlorides mg/l	SM4500-C1 B	1	52	C	1/5 YR
7782-50-5	Chlorine, Total Residual			0.03	G	1/5 YR
57-12-5	Cyanide, Total			<10 ug/l	G	1/5 YR
N/A	E. coli / Enterococcus (N/CML)			6.4423	G	1/5 YR
7783-06-4	Hydrogen Sulfide mg/l	ASTM D 4658-03	0.1	<0.1	G or SC	1/5 YR
60-10-5	Tributyltin ⁽⁷⁾ ng/l	GC/FPD	30	ND	G or C	1/5 YR

Norm Risavi, County Administrator

Name of Principal Exec. Officer or Authorized Agent/Title



May 26, 2009

Signature of Principal Officer or Authorized Agent/Date

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. Sec. 1001 and 33 U.S.C. Sec. 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

FOOTNOTES:

- (1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

The quantification levels indicated for the metals are actually Specific Target Values developed for this permit. The Specific Target Value is the approximate value that may initiate a wasteload allocation analysis. Target values are not wasteload allocations or effluent limitations. The Specific Target Values are subject to change based on additional information such as hardness data, receiving stream flow, and design flows.

Units for the quantification level are micrograms/liter unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained.

(2) Sample Type

G = Grab = An individual sample collected in less than 15 minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported. For grab metals samples, the individual samples shall be filtered and preserved immediately upon collection.

C = Composite = A 24-hour composite unless otherwise specified. The composite shall be a combination of individual samples, taken proportional to flow, obtained at hourly or smaller time intervals. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period.

SC = Special Composite = samples for base/neutral/acid compounds, PCBs, and pesticides must be collected as 4 individual grab samples taken proportional to flow at 6-hour intervals over the course of one day. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period. Grab samples must be analyzed separately and the concentrations averaged. Alternately, grab samples may be collected in the field and composited in the laboratory if the compositing procedure produces results equivalent to results produced by arithmetic averaging of the results of analysis of individual grab samples.

- (3) A specific analytical method is not specified; however a target value for each metal has been established. An appropriate method to meet the target value shall be selected from the following list of EPA methods (or any approved method presented in 40 CFR Part 136). If the test result is less than the method QL, a "<[QL]" shall be reported where the actual analytical test QL is substituted for [QL].

<u>Metal</u>	<u>Analytical Method</u>
Antimony	1638; 1639
Arsenic	206.5; 1632
Chromium ⁽⁹⁾	1639
Cadmium	1637; 1638; 1639; 1640
Chromium VI	218.6; 1639
Copper	1638; 1640
Lead	1637; 1638; 1640
Mercury	245.7; 1631
Nickel	1638; 1639; 1640
Selenium	1638; 1639
Silver	1638
Zinc	1638; 1639

- (4) Any approved method presented in 40 CFR Part 136.
- (5) The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.
- (6) Testing for phenol requires continuous extraction.
- (7) Analytical Methods: NBSR 85-3295 or DEQ's approved analysis for Tributyltin may also be used [See A Manual for the Analysis of Butyltins in Environmental Systems by the Virginia Institute of Marine

Science, dated November 1996].

- (8) Both Chromium III and Chromium VI may be measured by the total chromium analysis. If the result of the total chromium analysis is less than or equal to the lesser of the Chromium III or Chromium VI method QL, the results for both Chromium III and Chromium VI can be reported as "<[QL]", where the actual analytical test QL is substituted for [QL].
- (9) The lab may use SW846 Method 8270D provided the lab has an Initial Demonstration of Capability, has passed a PT for Kepone, and meets the acceptance criteria for Kepone as given in Method 8270D